

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S5	6	"318"/\$ and stator and rotor and armature and (field near4 magnet) and (emf bemf cemf electromotive magnetomotive) and ((power energy ) near9 mechanical) and ((sens\$4 detect\$4 monitor\$4) near4 position) and transvers\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/30 13:12
S6	8	"318"/\$ and stator and rotor and armature and (field near4 magnet) and (emf bemf cemf electromotive magnetomotive) and ((power energy work) near9 mechanical) and ((sens\$4 detect\$4 monitor\$4) near4 position) and transvers\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/30 13:15
S7	12	"318"/\$ and stator and rotor and (field near4 magnet\$4) and (emf bemf cemf electromotive magnetomotive) and ((power energy work) near9 mechanical) and ((sens\$4 detect\$4 monitor\$4) near4 position) and transvers\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/30 13:17
S8	12	"318"/\$ and stator and rotor and (field near4 magnet\$4) and (emf bemf cemf electromotive magnetomotive) and ((power energy work) near9 mechanical) and ((sens\$4 detect\$4 monitor\$4) near4 position) and transvers\$4 and pole and (winding armature)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/30 13:23
S9	8	"318"/\$ and stator and rotor and (field near4 magnet\$4) and (emf bemf cemf electromotive magnetomotive) and ((power energy work) near9 mechanical) and ((sens\$4 detect\$4 monitor\$4) near4 position) and transvers\$4 and pole and ( armature)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/30 13:25
S11	8	"318"/\$ and stator and rotor and (field near4 (winding magnet\$4)) and (emf bemf cemf electromotive magnetomotive) and ((power energy work) near9 mechanical) and ((sens\$4 detect\$4 monitor\$4) near4 (emf bemf cemf electromotive position)) and transvers\$4 and pole and ( armature)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/30 13:32

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S10	8	"318"/\$ and stator and rotor and (field near4 (winding magnet\$4)) and (emf bemf cemf electromotive magnetomotive) and ((power energy work) near9 mechanical) and ((sens\$4 detect\$4 monitor\$4) near4 position) and transvers\$4 and pole and ( armature)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/30 13:32
S12	9	"318"/\$ and stator and rotor and (field near4 (winding magnet\$4)) and (emf bemf cemf electromotive magnetomotive) and ((power energy work) near9 mechanical) and (hall ((sens\$4 detect\$4 monitor\$4) near4 (emf bemf cemf electromotive position)))) and transvers\$4 and pole and ( armature)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/30 13:33
S13	7	(US-6867561-\$ or US-6140729-\$ or US-5825113-\$ or US-6788020-\$ or US-6646406-\$ or US-6777838-\$ or US-4670696-\$).did.	USPAT	OR	ON	2007/06/02 13:49
S15	5	S13 and transvers\$4 and magnetomotive	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/02 13:52
S16	4	S13 and transvers\$4 and magnetomotive and armature and field	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/02 13:54
S17	4	S13 and transvers\$4 and magnetomotive and armature and field and stator and rotor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/02 14:58
S19	4	S13 and transvers\$4 and magnetomotive and armature and field and stator and rotor and magnet\$4 and (position\$4 near4 ( sens\$4 detect\$4 monitor\$4)) and position\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/02 15:04
S18	4	S13 and transvers\$4 and magnetomotive and armature and field and stator and rotor and magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/02 15:04
S14	7	S13 and transvers\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/02 15:30

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S20	2	S13 and (mechanical near4 (energy power work))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/02 15:31
S23	86	"67561"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/05 13:27
S22	6142	"3133"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/05 13:27
S21	5	"5844388"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/05 13:27
S25	12	((("7009352") or ("5844388") or ("6823133") or ("6867561") or ("6469461")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 13:28
S24	6	"6469461"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/05 13:28
S26	7	(US-6867561-\$ or US-6788020-\$ or US-6140729-\$ or US-5825113-\$ or US-6646406-\$ or US-6777838-\$ or US-4670696-\$).did.	USPAT	OR	ON	2007/06/09 21:07
S27	7	S26 and field and position and (sens\$4 detect\$4)	USPAT	OR	ON	2007/06/09 21:19
S28	237	318/701 and field and position and (sens\$4 detect\$4) and (field same (sens\$4 detect\$4))	USPAT	OR	ON	2007/06/09 21:20
S29	37	318/701 and field and position and (sens\$4 detect\$4) and (field near9 (sens\$4 detect\$4)) and armature	USPAT	OR	ON	2007/06/09 21:26
S30	21	318/701 and field and position and (sens\$4 detect\$4) and (field near9 (sens\$4 detect\$4)) and armature and (field near4 winding)	USPAT	OR	ON	2007/06/09 22:23
S31	3	318/701 and field and position and (sens\$4 detect\$4) and (field near9 (sens\$4 detect\$4)) and armature and (field near4 winding) and ((Sens\$4 detect\$4 measur\$4 monitor\$4) near4 voltage) and threshold	USPAT	OR	ON	2007/06/09 22:45

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S32	3	318/701 and field and position and (field near9 (sens\$4 detect\$4)) and armature and (field near4 winding) and ((Sens\$4 detect\$4 measur\$4 monitor\$4) near4 voltage) and threshold	USPAT	OR	ON	2007/06/09 22:46
S33	2	318/700 and field and position and (field near9 (sens\$4 detect\$4)) and armature and (field near4 winding) and ((Sens\$4 detect\$4 measur\$4 monitor\$4) near4 voltage) and threshold	USPAT	OR	ON	2007/06/09 23:14
S34	14	"318"/\$ and field and position and (field near9 (sens\$4 detect\$4)) and armature and (field near4 winding) and ((Sens\$4 detect\$4 measur\$4 monitor\$4) near4 voltage) and threshold and reluctance	USPAT	OR	ON	2007/06/09 23:23
S35	14	"318"/\$ and field and position and (field near9 (sens\$4 detect\$4)) and armature and (field near4 winding) and ((Sens\$4 detect\$4 measur\$4 monitor\$4) near4 voltage) and threshold and reluctance and voltage	USPAT	OR	ON	2007/06/09 23:25
S36	145	318/701 and (((sens\$4 detect\$4) near4 position) same field)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 15:10
S37	82	318/701 and (((sens\$4 detect\$4) near4 position) same field) and ((sens\$4 detect\$4) near9 field)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 15:14
S38	22	318/701 and (((sens\$4 detect\$4) near4 position) same field) and ((sens\$4 detect\$4) near9 field) and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 15:16
S39	22	318/701 and (((sens\$4 detect\$4) near4 position) same field) and ((sens\$4 detect\$4) near9 field) and threshold and field	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 15:31
S40	10	318/701.ccls. and (((sens\$4 detect\$4) near4 position) same field) and ((sens\$4 detect\$4) near9 field) and threshold and field	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 15:35
S41	10	318/701.ccls. and (((sens\$4 detect\$4 monitor\$4) near4 position) same field) and ((sens\$4 detect\$4) near9 field) and threshold and field and (sens\$4 detect\$4 monitor\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 15:38

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S43	11	(US-6528967-\$ or US-6639338-\$ or US-6777838-\$ or US-6788020-\$ or US-6867561-\$ or US-4670696-\$ or US-6646406-\$ or US-5825113-\$ or US-6140729-\$ or US-5363032-\$ or US-5859518-\$).did.	USPAT	OR	ON	2007/06/10 17:08
S44	11	S43 and (winding phase) and field and (current voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 17:09
S46	11	S43 and (winding phase) and field and (current voltage) and induc\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 17:25
S45	11	S43 and (winding phase) and field and (current voltage) and induc\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 17:25
S47	26	318/701.ccls. and (((sens\$4 detect\$4 monitor\$4) near4 position\$4) same field) and ((sens\$4 detect\$4) near9 field) and (maximum limit\$4 threshold) and field and (sens\$4 detect\$4 monitor\$4) and position\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 17:59
S42	10	318/701.ccls. and (((sens\$4 detect\$4 monitor\$4) near4 position\$4) same field) and ((sens\$4 detect\$4) near9 field) and threshold and field and (sens\$4 detect\$4 monitor\$4) and position\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 17:59
S48	24	S47 not S46	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:17
S49	621	"318"/\$ and ((monitor\$4 sens\$4 detect\$4) near4 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4) near4 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:19
S50	5	"318"/701.ccls. and ((monitor\$4 sens\$4 detect\$4) near4 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4) near4 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:23

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S51	1	"318"/701.ccls. and ((monitor\$4 sens\$4 detect\$4) near4 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4) near4 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field and conductor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:26
S52	1	"318"/701.ccls. and ((monitor\$4 sens\$4 detect\$4) near4 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4) near4 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field and conductor and coil and voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:32
S53	2	"318"/701 and ((monitor\$4 sens\$4 detect\$4) near4 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4) near4 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field and conductor and coil and voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:37
S55	97	"318"/\$7.ccls. and ((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4) near9 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field and conductor and coil and voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:46
S56	83	"318"/\$7.ccls. and ((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4) near9 voltage) same (magnet\$4 adj3 field) ) and magnet\$4 and field and conductor and coil and voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:47
S54	3	"318"/701 and ((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4) near9 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field and conductor and coil and voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:49

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S59	3	"318"/701 and ((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field and coil and voltage and conductor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:52
S57	21	"318"/701 and ((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4) near9 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field and coil and voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:52
S58	21	"318"/701 and ((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field and coil and voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 18:55
S60	5	"318"/701 and ((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) and magnet\$4 and field and (winding coil) and voltage and (conductor (auxiliary\$2 adj2 (winding coil)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 19:17
S62	51	"318"/\$ and ((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) and (winding coil) and voltage and (conductor (auxiliary\$2 adj2 (winding coil))) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) same conductor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 19:19

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S61	2	"318"/701 and ((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) and (winding coil) and voltage and (conductor (auxiliary\$2 adj2 (winding coil))) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) same conductor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 19:19
S63	36	"318"/\$7.ccls. and ((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) and (winding coil) and voltage and (conductor (auxiliary\$2 adj2 (winding coil))) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) same conductor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 19:23
S64	61	((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) and magnet\$4 and field and (magnet\$4 near4 field) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) and (winding coil) and voltage and (conductor (auxiliary\$2 adj2 (winding coil))) and (((monitor\$4 sens\$4 detect\$4 measur\$4) near9 voltage) same (magnet\$4 near4 field) ) same conductor) and reluctance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 19:25
S65	5	"318"/\$ and S64	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/10 19:26
S66	16	(US-6867561-\$ or US-6788020-\$ or US-6646406-\$ or US-6140729-\$ or US-5825113-\$ or US-6777838-\$ or US-6639338-\$ or US-6528967-\$ or US-6720792-\$ or US-4670696-\$ or US-6208497-\$ or US-5363032-\$ or US-5905366-\$ or US-6679346-\$ or US-5859518-\$ or US-5525887-\$). did.	USPAT	OR	ON	2007/06/24 19:32



## EAST Search History

S67	4	S66 and (rate near9 current)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/24 19:36
S68	7	S66 and (rate same current)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/24 19:39
S69	16	S66 and (sens\$4 detect\$4 monitor\$4 measur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/24 19:41
S71	16	S66 and (sens\$4 detect\$4 monitor\$4 measur\$4) and current and field	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/24 19:55
S70	16	S66 and (sens\$4 detect\$4 monitor\$4 measur\$4) and current	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/24 19:55